



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: T. Puzak  
Appl. No.: 09/458,883  
Filed: 12/10/1999  
Title: Prefetching Using Future Branch Path Information Derived from Branch Prediction

Examiner: Wood, William H.  
Grp./A.U.: 2183  
Doc. No.: YO999-589

#8/B, E,  
D. Cotton  
6-5-03

CERTIFICATE OF MAILING UNDER 37CFR 1.8(a)

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*Michael J. Buchenhorner*  
Michael J. Buchenhorner

Honorable Commissioner for Patents  
Washington, D. C. 20231

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RESPONSE TO FINAL ACTION

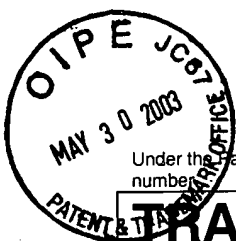
Sir:

In response to an Office Action of December 17, 2002, please amend claims 21 and 22 of the above-identified application as follows:

**In the claims:**

1. (Once amended) In a system including a high speed buffer logically placed between memory and at least one processor unit, a method for executing an instruction stream stored in the memory, wherein the instruction stream comprises a sequence of instructions including at least one prefetch instruction that prefetches information from the memory into the high speed buffer, the method comprising the steps of:

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	09/458,883
Filing Date	12/10/1999
First Named Inventor	Thomas R. Puzak
Group Art Unit	2183
Examiner Name	Wood, William H.
Total Number of Pages in This Submission	Attorney Docket Number YO999-589

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a <input type="checkbox"/> Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences (in triplicate) <input type="checkbox"/> Notice of Appeal <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): 2 Return postcards
Remarks		

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	International Business Machines Corp. Michael J. Buchenhorner
Signature	Michael J. Buchenhorner
Date	May 27, 2003

## CERTIFICATE OF MAILING

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Signature	Michael J. Buchenhorner	Date	5/27/03